



05-17-04

RCE/1773  
IFWU.S.P.S. EXPRESS MAIL "POST OFFICE TO ADDRESSEE" SERVICE  
DEPOSIT INFORMATIONExpress Mail Label No.: EV 327168405 USDate of Deposit: May 13, 2004BRINKS  
HOFFER  
GILSON  
& LIONE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: Naoya HASEGAWA, et al.

Appln. No.: 10/017,301

Filed: December 14, 2001

For: MAGNETIC SENSING ELEMENT WITH  
IMPROVED SENSITIVITY AND METHOD  
FOR MAKING THE SAMEExaminer: KEVIN M.  
BERNATZ

Art Unit: 1773

Attorney Docket No: 9281-4209

Mail Stop RCE  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

## TRANSMITTAL

## Attached is/are:

- ☒ Transmittal Letter; Request for Continued Examination (37 CFR §1.114 (in duplicate)); Preliminary Amendment and Interview Summary (11 pages); Check in the amount of \$770.00
- ☒ Return Receipt Postcard

## Fee calculation:

- ☐ No additional fee is required.
- ☐ Small Entity.
- ☐ An extension fee in an amount of \$\_\_\_\_\_ for a \_\_\_\_\_-month extension of time under 37 C.F.R. § 1.136(a).
- ☒ A request for Continuation filing fee in an amount of \$770.00 under 37 C.F.R. § 1.14
- ☐ An additional filing fee has been calculated as shown below:

|   |                                     |       |                                    |                  | Small Entity |           |    | Not a Small Entity |           |
|---|-------------------------------------|-------|------------------------------------|------------------|--------------|-----------|----|--------------------|-----------|
|   | Claims Remaining<br>After Amendment |       | Highest No.<br>Previously Paid For | Present<br>Extra | Rate         | Add'l Fee | or | Rate               | Add'l Fee |
| Total                                     | 16                                  | Minus | 20                                 | 0                | x \$9=       |           |    | x \$18=            |           |
| Indep.                                    | 1                                   | Minus | 3                                  | 0                | x \$43=      |           |    | x \$86=            |           |
| First Presentation of Multiple Dep. Claim |                                     |       |                                    |                  | + \$145=     |           |    | + \$290=           |           |
|   |                                     |       |                                    |                  | Total        | \$        |    | Total              | \$        |

## Fee payment:

- ☒ A check in the amount of \$770.00 to cover the above-identified fee(s) is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 in the amount of \$\_\_\_\_\_. A copy of this Transmittal is enclosed for this purpose.
- ☐ Payment by credit card in the amount of \$\_\_\_\_\_ (Form PTO-2038 is attached).
- ☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925.

Respectfully submitted,

Date

5/13/04

Gustavo Siller, Jr. (Reg. No. 32,305)



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For: MAGNETIC SENSING ELEMENT WITH  
IMPROVED SENSITIVITY AND METHOD  
FOR MAKING THE SAME

Attorney Docket No: 9281-4209

Examiner: KEVIN M.  
BERNATZ

Art Unit: KEVIN M.  
BERNATZ

Mail Stop RCE  
Commissioner for Patents  
U.S. Patent and Trademark Office  
P. O. Box 1450  
Alexandria, VA 22313-1450

REQUEST FOR CONTINUED EXAMINATION (37 C.F.R. § 1.114)

Sir:

Applicant(s) requests continued examination of the above-identified application under 37 C.F.R. §1.114.

☐ Submission under 37 CFR 1.114 (*check at least one of the following*):

☐ Previously submitted:

- ☐ Applicant(s) requests nonentry of any previously-filed unentered amendments.
- ☐ Please enter and consider the Amendment After Final Under 37 C.F.R. §1.116 previously filed on \_\_\_\_\_
- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

☒ Attached is/are:

- ☐ An Information Disclosure Statement
- ☐ An Amendment to the written description, claims, or drawings
- ☐ New Arguments and/or New Evidence in support of Patentability

- ☒ Other: Preliminary Amendment and Interview Summary
- ☐ Request for suspension of action:

Applicant(s) hereby request suspension of action on the above-identified application under 37 C.F.R. §1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; requires Processing Fee under 37 C.F.R. §1.17(i)).

- ☐ Small Entity Status:

- ☐ Applicant hereby asserts entitlement to claim small entity status under 37 CFR §§ 1.9 and 1.27.
- ☐ A small entity statement or assertion of entitlement to claim small entity status was filed in prior application no. \_\_\_\_\_ / \_\_\_\_\_ and such status is still proper and desired.
- ☐ Is no longer desired.

- ☒ Applicant(s) calculate the following fees to be due in connection with this Request:

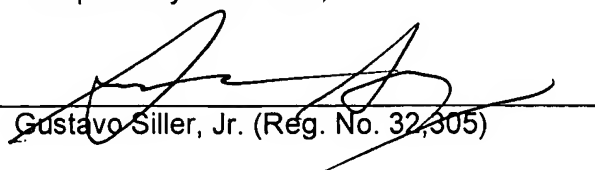
- ☒ A Request fee of \$770.00 under 37 C.F.R. §1.17(e).
- ☐ A suspension processing fee of \$\_\_\_\_\_ under 37 C.F.R. §1.17(i).
- ☐ An additional filing fee of \$\_\_\_\_\_ under 37 C.F.R. §1.16 (\_\_\_\_\_ additional independent claims and/or \_\_\_\_\_ additional total claims).
- ☐ An extension fee of \$\_\_\_\_\_ under 37 C.F.R. §1.17(a) for a \_\_\_\_\_-month extension of time.

- ☒ Fee payment to cover the above-enumerated fee(s):

- ☒ A check in the amount of \$770.00 is enclosed.
- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A copy of this Request is enclosed for this purpose.
- ☐ A payment by credit card in the amount of \$\_\_\_\_\_ (Form PTO-2038 is attached).
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including any extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE). A copy of this Request is enclosed for this purpose.

Respectfully submitted,

5/13/04  
Date

  
Gustavo Siller, Jr. (Reg. No. 32,305)



I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as Express mail EV 327168405 US in an envelope addressed to:

Commissioner for Patents  
Alexandria, VA 22313

May 13, 2004

Date of Deposit

Gustavo Siller, Jr., Reg. No.: 32,305

Name of applicant, assignee or  
Registered Representative

Signature

5/13/04  
Date of Deposit

Our Case No. 9281-4209  
Client Reference No. N US 00114

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Naoya Hasegawa et al.

Serial No. 10/017,301

Filing Date: December 14, 2001

For: Magnetic Sensing Element with Improved  
Sensitivity and Method for Making the  
Same

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)  
) Examiner: V. D. Koppikar  
)  
) Group Art Unit: 1775  
)  
)  
)

## PRELIMINARY AMENDMENT AND INTERVIEW SUMMARY

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313 - 1450

Dear Sir:

This is in Reply to the Patent Office Action, mailed on February 13, 2004 in the above referenced application, and an interview summary corresponding to an Advisory Action mailed on April 26, 2004. The phone interview was initiated by the Applicants and held on May 7, 2004. Applicants respectfully request reconsideration, reexamination of claims 1 – 16 in view of the following amendments and remarks.

Application No.10/017,301  
Reply to Office Action of February 13, 2004

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 7 of this paper.